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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,803	06/22/2001	Aloke Guha	STK 97056 PUSY	8390

7590 04/07/2005

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EXAMINER

REFAI, RAMSEY

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/887,803

Applicant(s)

GUHA, ALOKE

Examiner

Ramsey Refai

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-12 is/are allowed.
- 6) ☒ Claim(s) 13-44 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                        |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____   |

**DETAILED ACTION**

1. Responsive to Terminal Disclaimer filed on January 24, 2005.
2. Claims 1-12 are allowed.
3. Claims 13-44 are presented for examination.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 13-44 are rejected under 35 U.S.C. 102(b) as being anticipated by Slotznick (U.S. Patent No. 6,011,537).

6. As per claim 18 Slotznick teaches a system for providing quick downloading of web pages at a remote device, the system comprising:

a server computer; a first storage device in communication with the server computer for storing a first plurality of web pages and for receiving a first signal from the remote device indicating selection of one of the first plurality of web pages (**column 4, lines 38-65**); and

a second storage device in communication with the first storage device; the second storage device for storing a second plurality of web pages linked to the first plurality of web pages and for transferring all of the second plurality of web pages that are linked to the selected one of the first plurality of web pages to the first storage device in response to the first signal so

that anticipated web pages linked to any web pages selected by the remote device are quickly accessible by the remote device (**column 4, lines 45-65, column 14, lines 61-67, and column 12, lines 4-18**).

7. As per claim 19, Slotznick teaches the first storage device comprises a fast memory and the second storage device comprises a disk memory (**Figure 2, column 19, lines 5-8, and column 4, lines 43-51**).

8. As per claim 20, Slotznick teaches the first storage device is further operative to delete each of the non-selected first plurality of web pages in response to the first signal (**column 4, lines 45-59 and column 25, line 40-column 26, line 19**).

9. As per claim 21, Slotznick teaches the second storage device, in storing the second plurality of web pages linked to the first plurality of web pages, stores the second plurality of web pages based on one of an average size and a minimum size of each web page linked to each of the first plurality of web pages and a reaction time of a client operating the remote device (**column 17, line 35-column 18, line 25**).

10. As per claim 22, Slotznick teaches the second storage device is further operative to store the second plurality of web pages based on an average propagation delay between the client and the server, an average link bandwidth between the client and the server, and an access time to access a partition in the storage device (**column 17, line 35-column 18, line 25**).

11. As per claim 23, Slotznick teaches the first storage device is a cache (**abstract and column 4, lines 39-59**).
12. As per claim 24, Slotznick teaches the first storage device is a random access memory (**abstract and column 4, lines 39-59**).
13. As per claim 25, Slotznick teaches the second storage device is an internal memory (**abstract and column 4, lines 39-59**).
14. As per claim 26, Slotznick teaches the second storage device is an external memory (**abstract and column 4, lines 39-59**).
15. As per claim 27, Slotznick teaches the second storage device is a hard drive (**abstract, column 4, lines 39-59 and column 40, lines 30-35**).
16. As per claim 28, Slotznick teaches the second storage device is a redundant array of inexpensive disks (**column 18, line 66-column 19, line 2 and column 4, lines 39-59 and column 40, lines 30-35**).
17. As per claims 13-17 and 44, these claims have similar limitations as claims 18-28 above, therefore are rejected under the same rationale.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Allen et al (U.S. Patent No. 6,807,570)
- b. Mogul (U.S. Patent No. 5,802,292)
- c. Leak et al (U.S. Patent No. 6,182,072)
- d. Raz et al (U.S. Patent No. 5,887,151)
- e. Chlan et al (U.S. Patent No. 2002/0091788)
- f. Ichikawa et al (U.S. Patent No. 5,845,148)
- g. Beyda (U.S. Patent No. 6,766,422)
- h. Seidl et al (U.S. Patent No. 6,751,709)
- i. Kasriel et al (U.S. Patent No. 6,721,780)
- j. Candan et al (U.S. Patent No. 6,549,896)
- k. Crow et al (U.S. Patent No. 6,442,651)
- l. Carneal et al (U.S. Patent No. 6,282,542)
- m. Malkin et al (U.S. Patent No. 6,085,193)
- n. Ramakrishnan et al (U.S. Patent No. 5,390,318)
- o. Mackinlay (U.S. Patent No. 6,088,032).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramsey Refai whose telephone number is (571) 272-3975. The examiner can normally be reached on M-F 8:30 - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ramsey Refai  
Examiner  
Art Unit 2154

April 2, 2005  
RR  
(U.S. Patent No.



JOHN FOLLANSBEE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100